

Grade 3 Academic Standards

Unit 4 Lesson

Science

Standard 1 The Nature of Science and Technology

Technology and Science

3.1.4 Discuss the results of investigations and consider the explanations of others.

3.1.6 Give examples of how tools, such as automobiles, computers, and electric motors, have affected the way we live.

Standard 2 Scientific Thinking

Critical Response Skills

3.2.7 Ask “How do you know?” in appropriate situations and attempt reasonable answers when others ask the same question.

Standard 3 The Physical Setting

The Earth and the Processes that Shape It

3.3.7 Identify and explain some effects human activities have on weather.

Standard 4 The Living Environment

Human Identity

3.4.8 Explain that some things people take into their bodies from the environment can hurt them and give examples of such things.

Standard 5 The Mathematical World

Reasoning and Uncertainty

3.5.5 Explain that one way to make sense of something is to think of how it relates to something more familiar.

Unit 4 - Activities 1-6 satisfy the following Indiana academic science standards:

Science

- 3.1.2 Participate in different types of guided scientific investigations, such as observing objects and events and collecting specimens for analysis.
- 3.1.3 Keep and report records of investigations and observations using tools, such as journals, charts, graphs, and computers.
- 3.1.4 Discuss the results of investigations and consider the explanations of others.
- 3.1.5 Demonstrate the ability to work cooperatively while respecting the ideas of others and communicating one's own conclusions about findings.
- 3.1.6 Give examples of how tools, such as automobiles, computers, and electric motors, have affected the way we live.
- 3.2.3 Keep a notebook that describes observations and is understandable weeks or months later.
- 3.2.6 Make sketches and write descriptions to aid in explaining procedures or ideas.
- 3.3.7 Identify and explain some effects human activities have on weather.
- 3.4.8 Explain that some things people take into their bodies from the environment can hurt them and give examples of such things.
- 3.5.3 Construct tables and graphs to show how values of one quantity are related to values of another.